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PTO SB 21 (08-00)

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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application Number	09 620,968
	Filing Date	July 20, 2000
	First Named Inventor	Shunpei YAMAZAKI
	Group Art Unit	2181
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	740756-2183

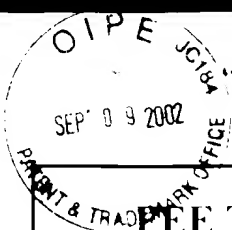
ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Preliminary Amendment <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declarations <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Declaration and Power of Attorney <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Other
Remarks	<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees required or credit any overpayments to Deposit Account No. 19-2380 for the above identified docket number	

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Jeffrey L. Costellia - Reg. No. 35,483 Nixon Peabody LLP 8180 Greensboro Drive Suite 800 McLean, VA 22102
Signature	
Date	September 9, 2002

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 20px; vertical-align: middle;"></span>	
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**FEE TRANSMITTAL  
FOR FY 2002***Patent fees are subject to annual revision***Complete if Known**

Application Number	09 620,968
Filing Date	July 20, 2000
First Named Inventor	Shunpei YAMAZAKI
Examiner Name	
Group Art Unit	2818
Attorney Docket No.	740756-2183

TOTAL AMOUNT OF PAYMENT (\$372.00)

**METHOD OF PAYMENT**

1. ☒ The Commissioner is hereby authorized to charge indicated fee and credit any overpayment to:

Deposit Account Number 19-2380

Deposit Account Name Nixon Peabody LLP

- ☒ Small Entity Additional Fee Required Under 37 CFR 1.16 and 1.17

- ☐ Applicant claims small entity status See 37 CFR 1.27

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65 Surcharge - late filing fee or oath	
127	50	227	25 Surcharge - late provisional filing fee or cover sheet	
139	130	139	130 Non-English transaction	
147	2,520	147	2,520 For filing a request for <i>ex parte</i> reexamination	
142	920*	112	920* Requesting publication of SIR prior to Examiner action	
143	1,840*	113	1,840* Requesting publication of SIR after Examiner action	
145	110	215	55 Extension for reply within first month	
146	400	216	200 Extension for reply within second month	
147	920	217	460 Extension for reply within third month	
148	1,440	218	720 Extension for reply within fourth month	
149	1,960	228	980 Extension for reply within fifth month	
149	320	219	160 Notice of Appeal	
140	320	220	160 Filing a brief in support of an appeal	
121	250	221	140 Request for oral hearing	
148	1,810	138	1,810 Petition to institute a public use proceeding	
140	110	240	55 Petition to revive - unavoidable	
141	1,280	241	640 Petition to revive - unintentional	
142	1,280	242	640 Utility issue fee (or reissue)	
143	460	243	230 Design issue fee	
144	620	244	310 Plant issue fee	
122	130	122	130 Petitions to the Commissioner	
123	50	123	50 Processing fee under 37 CFR 1.17(c)(1)	
126	180	126	180 Submission of Information Disclosure Sheet	
581	40	581	40 Recording each patent assignment per property (times number of properties)	
146	74	246	37 Filing a submission after final rejection (37 CFR 1.129(a))	
149	74	249	37 For each additional invention to be examined (37 CFR 1.129(b))	
170	740	270	370 Request for Continued Examination (RCE)	
169	900	169	900 Request for expedited examination of a design application	
Other fee (specify):				

\* Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$)**CERTIFICATE OF MAILING**

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**METHOD OF PAYMENT**

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- ☐ Applicant claims small entity status See 37 CFR 1.27

**2. Payment Enclosed:**

- ☒ Check ☐ Credit Card ☐ Money Order ☐ Other

**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
101	340	101	370	Utility filing fee	
106	330	106	165	Design filing fee	
107	810	107	285	Plant filing fee	
108	740	108	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

**SUBTOTAL (1)** (\$)**2. EXTRA CLAIM FEES**

Extra Claims	Fee from below	Fee Paid
12	18	36.00
3**	84	336.00
Multiple/Dependent		

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description
103	18	103	9	Claims in excess of 2**
102	84	102	42	Independent claims in excess of 3
104	78	104	39	Multiple dependent claim if not paid
105	84	105	42	** Reissue independent claims over original patent
111	18	111	9	** Reissue claims in excess of 2** and over original patent

**SUBTOTAL (2)** (\$372.00)

\*\* If number previously paid, if greater. For Reissues, see above

**SUBMITTED BY**

Name (Print Type)	Jeffrey L. Costellia	Registration No.	35,483	Complete (if applicable)	Telephone	(703) 770-9300
Signature		Attorney/Agent		Date	September 9, 2002	



Docket No. 740756-2183

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: )  
Shunpei YAMAZAKI ) Group Art Unit: 2818  
Serial No. 09 620,968 ) Examiner:  
Filed: July 20, 2000 )  
For: METHOD OF FORMING INSULATING FILMS, ) Date: September 9, 2002  
CAPACITANCES, AND SEMICONDUCTOR  
DEVICES

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Please preliminary amend the subject application as follows.

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SEP 16 2002

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**IN THE CLAIMS:**

Please add new claims 2-22 as follows:

2. A method for manufacturing a semiconductor device comprising the step of:  
forming an insulating film comprising silicon nitride over a semiconductor by  
sputtering in an atmosphere consisting essentially of nitrogen.
3. A method according to claim 2 wherein the sputtering is performed by an RF  
sputtering method.
4. A method according to claim 2 wherein the semiconductor device is incorporated  
into an active matrix display device.
5. A method for manufacturing a semiconductor device comprising the step of:  
forming an insulating film comprising silicon nitride over a semiconductor by  
sputtering in an atmosphere consisting of nitrogen and argon.

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